

CRF Errors Corrected by the STIC Systems Branch

2115 01/25

Serial Number: 10/058,580

CRF Processing Date: 3/4/2002
 Edited by: A
 Verified by: A (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 3 - corrected spelling of "Artificial"

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/058,580

DATE: 03/04/2002

TIME: 18:07:44

Input Set : A:\pto.txt

Output Set: N:\CRF3\03042002\J058580.raw

```

3 <110> APPLICANT: Sheppard, Paul O.
4     Novak, Julia E.
5     Raymond, Fenella
7 <120> TITLE OF INVENTION: Tumor Marker Zsig62
9 <130> FILE REFERENCE: 98-76
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/058,580
C--> 11 <141> CURRENT FILING DATE: 2002-01-28
11 <160> NUMBER OF SEQ ID NOS: 8
13 <170> SOFTWARE: FastSEQ for Windows Version 3.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 2334
17 <212> TYPE: DNA
18 <213> ORGANISM: Homo sapiens
20 <220> FEATURE:
21 <221> NAME/KEY: CDS
22 <222> LOCATION: (20)...(316)
24 <400> SEQUENCE: 1
25  caggtcatgt cattccaga atg tgt tgc tgg cct tct cca tgg gtg cag gga      52
26                      Met Cys Cys Trp Pro Ser Pro Trp Val Gln Gly
27                      1           5           10
29  agc cct ggc att tgg cat ttg tgg gca gtg ttg gcg tgc cac ctg ggt      100
30  Ser Pro Gly Ile Trp His Leu Trp Ala Val Leu Ala Cys His Leu Gly
31          15           20           25
33  cac agc agc agc agg cag gga atc ctg aga cat cgc cct ggg gga gcc      148
34  His Ser Ser Ser Arg Gln Gly Ile Leu Arg His Arg Pro Gly Gly Ala
35          30           35           40
37  ctg cct tct acc cca ggc tgt aca atg acg agt act ctt gga caa aga      196
38  Leu Pro Ser Thr Pro Gly Cys Thr Met Thr Ser Thr Leu Gly Gln Arg
39          45           50           55
41  ccc ctg ttg caa ggc tgc gag gac atc atg gtc cag ccc gag gga gat      244
42  Pro Leu Leu Gln Gly Cys Glu Asp Ile Met Val Gln Pro Glu Gly Asp
43          60           65           70           75
45  tta tct ttg att gtc ttg agt gct gca tca gct aag aca aaa acc aca      292
46  Leu Ser Leu Ile Val Leu Ser Ala Ala Ser Ala Lys Thr Lys Thr Thr
47          80           85           90
49  gag tca gag gga aaa aaa acg tcc tgatgaggat tgtgcaattt cgggaccatc      346
50  Glu Ser Glu Gly Lys Lys Thr Ser
51          95
53  attttttaaa aattataaat tatgaaatcc cacattttca atcccaattt ctggaacgtg      406
54  ttttattttg agcacagaat ggcaacatcc caggaaaaaa agtcatgctc ccattttgct      466
55  tgtaatcaag tgagctggaa ctgaccctac cccaaatatt ttttgaatag ggaaaagact      526
56  caactggacc cctctaagga ctgggagctg gcatggagct ggcatcttct gagactgact      586
57  tgagaagagc ctgataacgc ctagaggaaa caggcagggt tttgcgagca ggggaagatg      646

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RAW SEQUENCE LISTING

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Input Set : A:\pto.txt

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58 atagtgggtg ggtggggagc tggcgagggt gccccaggca gaggcaccgt gtgtgtgcaa 706
59 aggcctgcag gtggagaagg gcctgggact cttggagaat ggcaggaagt ttggtgtgcc 766
60 tgtagtctat gagccaggct cagggcagca aaggctctgtc ctgcagggtgt tgtgatgagc 826
61 tgtaccactt agtgggcacc atcaagatga acagagagta acacggtggc actgagaact 886
62 tgagaacagc tcactctaga atgaactgtg tcctccaaag tgtgcagagc caatacctag 946
63 gggcccccaa ggtgactgag cacgggcaca gatccagcag caaatccccc cagtccaaga 1006
64 gctgttcttt ccattctctg ttctttccat tctctgttct tctggtcctt ctgcttatgg 1066
65 caaggtgaaa gtcacagggt gaattgtccc tatcacctct cccacaccct gatctccttt 1126
66 tacaacaaag agcaagcatc ctctacaaca aagccttttg ttggtgtcag tgccctggctg 1186
67 ggaggaagta actgttgttt ttactgtgtt taatttcaact cctgccgtct gtacacggca 1246
68 ccagtgatca ggttctctgc cagtgggagt gatagaaagt taccttttta aagtaaattt 1306
69 cttggaacgc aaaaaacaag ccaagttaaa taaaaataca aaatatgggg ccaggcgagg 1366
70 tggctcgtgc ctgtcatccc agcactttgg gaggtgaga cgggtggatca cctgagggtca 1426
71 ggagtttgag accagcctga ccaacaaggt gaagccccgt ctctactaaa aatacaaaaa 1486
72 ttagccgggc gtggtggcag gcacctgtag tcccagctac tcgggagggt gggacagagg 1546
73 aattgcttga acccgggagg cggagggtgc agtgagccga gatcacgcca cactgcact 1606
74 ccagcctggg tgacggagcg agatgccatt tcaaaaacaaa aacaaaatat gtactggtac 1666
75 cagtacacag taggaagggt ggcaaaactt ggggaagggg atattcaaag gacaggggtt 1726
76 gggaaatgct ggatcaaggt cggggaagaa ggagaactga gaggtgtgta taatttagag 1786
77 aagtgtctct cagagtgggg gccagcagcc aggcgccgtg gctcatgcct gtaaccttaa 1846
78 cactttggga ggtctaggcg ggaggattgc ctgagcccag gagttcgagt ccagcttgtg 1906
79 caacatagtg agatgctgtc tctacaaaaa atttaaaaaat tagctggtgt cctctcagt 1966
80 tgtcttgtcc tctccatgtt tctaaaaata aggaagaaaag gccagcgca gtggcgtaga 2026
81 cctaatgtct cagcactttg ggaggccaag gtgggcagat cacttgaggc caggagtctg 2086
82 agaccagcct ggctaaccatg gcaaaacctt gtttctactg gaaatacaaa aattagctag 2146
83 gcgtggtggt gcacgcctgt aatcccagct acttgggagg ctgagggagg agaaccgctt 2206
84 gagcctggga ggcagaggct gcagtggcc aagatcacac actgcactcc agcctgggtg 2266
85 acagagcgag actccatctc aaataaataa ataaataaat aaaaataaat acataaatac 2326
86 ataaaaata 2334
88 <210> SEQ ID NO: 2
89 <211> LENGTH: 99
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 2
94 Met Cys Cys Trp Pro Ser Pro Trp Val Gln Gly Ser Pro Gly Ile Trp
95 1 5 10 15
96 His Leu Trp Ala Val Leu Ala Cys His Leu Gly His Ser Ser Arg
97 20 25 30
98 Gln Gly Ile Leu Arg His Arg Pro Gly Gly Ala Leu Pro Ser Thr Pro
99 35 40 45
100 Gly Cys Thr Met Thr Ser Thr Leu Gly Gln Arg Pro Leu Leu Gln Gly
101 50 55 60
102 Cys Glu Asp Ile Met Val Gln Pro Glu Gly Asp Leu Ser Leu Ile Val
103 65 70 75 80
104 Leu Ser Ala Ala Ser Ala Lys Thr Lys Thr Thr Glu Ser Glu Gly Lys
105 85 90 95
106 Lys Thr Ser
108 <210> SEQ ID NO: 3
109 <211> LENGTH: 297

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RAW SEQUENCE LISTING

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Input Set : A:\pto.txt

Output Set: N:\CRF3\03042002\J058580.raw

```

110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid
115     sequence of SEQ ID NO:2.
W--> 117 <221> NAME/KEY: variation
118 <222> LOCATION: (1)...(297)
119 <223> OTHER INFORMATION: N is any nucleotide.
W--> 121 <400> 3
W--> 122 atgtgytgyt ggccnwsncc ntgggtncar ggnwsnccng gnathtggca yynttgggcn      60
W--> 123 gtntyngcnt gycayytnng ncaywsnwsn wsnmgncarg gnathytnmg ncaymgncn      120
W--> 124 ggnggngcny tncnwsnac nccnggtgy acnatgacnw snacnytnng ncarmgncn      180
W--> 125 ytnytnrcarg gntgygarga yathatggtn carcngarg gngayytnws nytnathgtn      240
W--> 126 ytnwsngcng cnwsngcnaa racnaaracn acngarwsng arggnaaraa racnwsn      297
128 <210> SEQ ID NO: 4
129 <211> LENGTH: 23
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: PCR primer
136 <400> SEQUENCE: 4
137 ctgatgcagc actcaagaca atc
139 <210> SEQ ID NO: 5      23
140 <211> LENGTH: 24
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: PCR primer
147 <400> SEQUENCE: 5
148 ggcatttgtg ggcagtgttg gggc
150 <210> SEQ ID NO: 6      24
151 <211> LENGTH: 18
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: PCR primer
158 <400> SEQUENCE: 6
159 ggagctggca tcttctga
161 <210> SEQ ID NO: 7      18
162 <211> LENGTH: 18
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR primer
169 <400> SEQUENCE: 7
170 tccccaccca cccactat
172 <210> SEQ ID NO: 8      18
173 <211> LENGTH: 16
174 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 03/04/2002

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TIME: 18:07:44

Input Set : A:\pto.txt

Output Set: N:\CRF3\03042002\J058580.raw

175 <213> ORGANISM: Artificial Sequence

177 <220> FEATURE:

178 <223> OTHER INFORMATION: Peptide linker

180 <400> SEQUENCE: 8

181 Gly Gly Ser Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

182 1

5

10

15

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/058,580

DATE: 03/04/2002
TIME: 18:07:45

Input Set : A:\pto.txt
Output Set: N:\CRF3\03042002\J058580.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 15,18,21,27,33,36,39,42,54,60,63,66,69,78,81,87,90,93,96,102

Seq#:3; N Pos. 108,111,117,120,123,126,129,132,135,138,141,144,147,153,159

Seq#:3; N Pos. 162,165,168,171,177,180,183,186,192,210,216,222,228,231,234

Seq#:3; N Pos. 240,243,246,249,252,255,258,264,270,273,279,285,294,297